U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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MP0085C1 Attorney Docket No. First Inventor Oberg, Mats METHOD AND APPARATUS FOR DC-LEVEL CONSTRAINED Title CODING

UTILITY PATENT APPLICATION TRANSMITTAL EL 741 126 353 US Express Mail Label No. (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Mail Stop Patent Application Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) 1. 🛛 Computer Program (Appendix) (Submit an original and a duplicate for fee processing) 8. Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 2. (if applicable, all necessary) See 37 CFR 1.27. a. Computer Readable Form (CRF) Total Pages 70 з. 🖂 Specification b. Specification Sequence Listing on: (preferred arrangement set forth below) i. CD-ROM or CD-R (2 copies); or - Descriptive title of the Invention - Cross References to Related Applications ii. Daper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, **ACCOMPANYING APPLICATIONS PARTS** or a computer program listing appendix - Background of the Invention 9. 🔲 Assignment Papers (cover sheet & document(s)) - Brief Summary of the Invention - Brief Description of the Drawings (if filed) 10. 🔲 37 C.F.R.§3.73(b) Statement Power of - Detailed Description Attorney (when there is an assignee) - Abstract of the Disclosure English Translation Document (if applicable) 11. ☐ Copies of IDS 12. 🛛 Information Disclosure Total Sheets 9 4. 🔯 Drawing(s) (35 U.S.C.113) Citations Statement (IDS)/PTO-1449 [Total Pages | 2 5. Oath or Declaration 13. 🔯 **Preliminary Amendment** Newly executed (original or copy) Return Receipt Postcard (MPEP 503) 14. 🛛 b.
Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) Certified Copy of Priority Document(s) 15. 🔲 (if foreign priority is claimed) i DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) Request and Non Publication under 35 U.S.C. 122 16. 🛛 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 Other: Terminal Disclaimer to Obviate a Provisional 17. 🛛 Double Patenting Rejection Over a Pending Second Application and Associate Power of Attorney 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation-in-part (CIP) of prior application No: 10 / 053,885 □ Divisional Group / Art Unit: 2819 Examiner Williams, Howard L. Prior application information: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 23624 Correspondence address below or 🖾 (Insert Customer No. or Attach bar code label here) Marvell Semiconductor, Inc. Name 700 First Avenue Address Mail Stop 509 94089 CA Zip Code City State Sunnyvale Fax 408-752-9034 408-222-2500 Telephone **United States** Country 34,754 Registration No. (Attorney/Agent) Michael D. Wiggins Name (Print/Type)

Menhal DWagge October 28, 2003 Signature

PTO/SB/17 (01-03)

Approved for use through 10/31/2002. OMB 0651-0032

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	Complete if Known			
FEE TRANSMITTAL	Application Number	To Be Assgined		
for FY 2004	Filing Date	Herewith		
	First Named Inventor	Oberg, Mats		
Patent fees are subject to annual revision.	Examiner Name	To Be Assigned		
Applicant claims small entity status. See 37 CFR 1.27	Group / Art Unit	To Be Assigned		
TOTAL AMOUNT OF PAYMENT (\$) 1168	Attorney Docket No.	MP0085C1		

TOTAL AMOUNT OF PAYMENT (\$) 1168	Attorney			EEE OA	J CI II ATION (continued)	
METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued) 3. ADDITIONAL FEES			
☐ Check ☑ Credit card ☐ Money ☐ Other ☐ None	l .	- 1				
Order		Entity Small Entity				0
Deposit Account:		Fee (\$)	Fee Code	Fee (\$)	, 00 0000.p	e Paid
Deposit	1.00	130	2051	65	Surcharge - late filing fee or oath	
Account Number		50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Deposit	1053	130	1053	130	Non-English specification	
Account		2,520 920*	1812	2,520	For filing a request for reexamination	
Name			1804	920*	Requesting publication of SIR prior to Examiner action	
The Commissioner is authorized to: (check all that apply) ☑ Charge fee(s) indicated below ☑ Credit any overpayments ☑ Charge any additional fee(s) during the pendency of this application	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
Charge fee(s) indicated below, except for the filing fee	1251	110	2251	55	Extension for reply within first month	
to the above-identified deposit account.	1252	420	2252	210	Extension for reply within second month	
FEE CALCULATION	1253	950	2253	475	Extension for reply within third month	
BASIC FILING FEE Large Entity	1254	1,480	2254	740	Extension for reply within fourth month	
Fee Fee Fee Fee Description	1255	2,010	2255	1,005	Extension for reply within fifth month	
Code (\$)	1401	330	2401	165	Notice of Appeal	
1001 770 2001 385 Utility filing fee 770	1402	330	2402	165	Filing a brief in support of an appeal	
1002 340 2002 170 Design filing fee	1403	290	2403	145	Request for oral hearing	<u> </u>
1003 530 2003 265 Plant filing fee 1004 770 2004 385 Reissue filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provisional filling fee	1452	110	2452	55	Petition to revive - unavoidable	ļ
		1,330	2453	665	Petition to revive - unintentional	<u></u>
SUBTOTAL (1) (\$) 770		1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA CLAIM FEES	1502	480	2502	240	Design issue fee	
Extra Fee from Fee Claims below Paid	1503	640	2503	320	Plant issue fee	
Total Claims 36 -20 ** = 16 X 18 = 288	1460	130	1460	130	Petitions to the Commissioner	
Independent 0	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q) Submission of Information Disclosure	-
Claims 3 -3** = 0 X 86 = 0	1806	180	1806	180	Stmt	
Multiple X = 0 Dependent Large Entity Small Entity	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Fee Fee Fee Fee Description	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	'
1202 18 2202 9 Claims in excess of 20	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1801	770	2801	385	Request for Continued Examination (RCE)	
** Reissue independent claims over	1802	900	1802		Request for expedited examination	
original patent	original patent of a design application ** Reissue claims in excess of 20 and					
over original paterit	Other f	fee (spe	ecify) <u>Terr</u> ection Ov	ninal Di er A Pe	sclaimer To Obviate A Provisional Double nding Second Application	110
SUBTOTAL (2) (\$) 288	1 9.511					
**or number previously paid, if greater; For Reissues, see above	*Redu	uced by	Basic Fil	ing Fee	Paid SUBTOTAL (3) (\$) 1	10
or number previously paid, it greater, i or i tolocood, out doore	᠆┪					

SUBMITTED BY Complete (if applicable)					
Name (Print/Type)	Michael D. Wiggins	Registration No. Attorney/Agent)	34,754	Telephone	248-641-1600
			1	Date	October 28, 2003
Signature	Mulul Atturn				

PTO/SB/35 (11-00)

Approved for use through 10/31/2002. OMB 0651-0031

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NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

		Ohera Mate
First Named Inventor		Oberg, Mats
	Method and Appa	aratus For DC-Level Constrained Coding
Title		
Attv D	ocket Number	MP0085C1

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

October 28, 2003

Date

Mulul D.

Michael D. Wiggins

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.